

19990803.ba v02\_n626.bam.990803

>From ???@??? Wed Aug 04 02:40:54 1999  
Message-Id: <199908040147.d7411iJ23212@sco.theporch.com>  
Date: Tue, 3 Aug 1999 20:47:26 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2626

BOATANCHORS Digest 2626

Topics covered in this issue include:

- 1) WRL 755 VFO Needed  
by "ALLEN,JIM (HP-Cupertino,ex1)" <jim\_allen@am.exch.hp.com>
- 2) GRC 109 transmitter  
by Roy <royn@glacierelectric.com>
- 3) Halli SX-17 Part Needed  
by "Wallace Gibbons" <rockwall@tcsourceone.com>
- 4) SX-17 Band switch question  
by "Wallace Gibbons" <rockwall@tcsourceone.com>
- 5) Fw: Help  
by dick a george <k6kwq@juno.com>
- 6) Crypto Machines Web Page  
by Jerry Proc <jproc@idirect.com>
- 7) Telefunken SW/BC Receiver and BC-348  
by Stanley A McIntosh <mcintos@basf-corp.com>
- 8) Re: SX-17 Band switch question  
by "Arden Allen" <gumbear@pacbell.net>
- 9) Switching padders in for 160 meter ops  
by zeitler@ibm.net
- 10) Re: Switching padders in for 160 meter ops  
by "Arden Allen" <gumbear@pacbell.net>
- 11) U.S.S. MISSOURI Needs Your Help  
by David Stinson <arc5@ix.netcom.com>
- 12) wide bandwidth SSB vs. normal bandwidth  
by zeitler@ibm.net
- 13) Re: Switching padders in for 160 meter ops  
by Dave Jordan <wa3gin@erols.com>
- 14) OUTSTANDING BC-610 AVAILABLE- Houston  
by David Stinson <arc5@ix.netcom.com>
- 15) HRO 50 coils for trade  
by "Brickey, Peter" <peter.brickey@compaq.com>
- 16) Re: OUTSTANDING BC-610 AVAILABLE- Houston  
by Gary Pewitt <gpewitt@execpc.com>
- 17) Re: Specific Products SR-7  
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 18) Motorola Aviation Prod.

by "Rhett T. George" <rtg@ee.duke.edu>  
19) Drake TR3 on CW  
by Bob Login <jlogin@mindspring.com>  
20) [Fwd: [Fwd: WTB 75A1 parts]]  
by "Jack C. Shutt" <w9gt@fortwayne.infi.net>  
21) Lincoln transceiver info  
by "Jack C. Shutt" <w9gt@fortwayne.infi.net>  
22) RE: Drake TR3 on CW  
by "David Newkirk" <dpnewkirk@home.com>

-----  
Message-ID: <87FB8F5CE210D311B60500A0C9F4871C2A3587@xcup01.cup.hp.com>  
From: "ALLEN, JIM (HP-Cupertino, ex1)" <jim\_allen@am.exch.hp.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WRL 755 VFO Needed  
Date: Mon, 2 Aug 1999 12:20:59 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Anyone got a spare WRL 755 VFO? Cash or trades.

Thanks,

Jim

NU6AM

-----  
Message-Id: <3.0.6.32.19990802120557.007bc100@glacierelectric.com>  
Date: Mon, 02 Aug 1999 12:05:57 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Roy <royn@glacierelectric.com>  
Subject: GRC 109 transmitter  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

To all you military "anchorites"...

I am looking for the transmitter unit for the GRC 109 set....mine has a defective freq. switch which appears to have missing wafer parts and would be tough to repair. It will only select the "40 meter" segment, but won't tune up properly. I haven't noticed if Fair Radio has any more of these or not..last time I checked they were all gone.

I have all the parts including two thick manuals, sans the actual hand-crank genset, with no great desire to obtain that! Looks too much like work to me. If I can't find parts, it will be up for sale soon.

Thanks for your help. Roy K7JAQ

-----  
Message-ID: <37A5F9E9.716E49FB@tcsourceone.com>  
Date: Mon, 02 Aug 1999 14:04:58 -0600  
From: "Wallace Gibbons" <rockwall@tcsourceone.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Halli SX-17 Part Needed  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings,

I need a band switch wafer from an SX-17. Mine has a bad one, won't make contact.

Anybody have a parts set they'd be willing to pull a switch/coil deck from, or just the switch itself?

Thanks.

Wally

-----  
Message-ID: <37A5FAF6.7477CCF0@tcsourceone.com>  
Date: Mon, 02 Aug 1999 14:09:27 -0600  
From: "Wallace Gibbons" <rockwall@tcsourceone.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SX-17 Band switch question  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings,

Have an SX-17 with a bad section of the band switch. The contact that provides connection to the band select part is loose, doesn't make solid contact. Thusly all bands are very intermittent. Don't see how to tighten the little wiping contacts. Anyone have a clue how to do this? Could be difficult as the moving contact never moves out of the little fingers.

Hate to see this nice old RX un-useable due to this. My interest is primarily broadcast band listening, so what do you guys think about making it just a bcb only receiver?

Could be done, just bypass the band switch altogether and use on the one band.

Comments and repair suggestions appreciated!!

Wally Gibbons  
Rockwall@tcsourceone.com

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: moon-net@vm.stlawu.edu  
Date: Mon, 2 Aug 1999 12:14:06 -0700  
Subject: Fw: Help  
Message-ID: <19990802.121408.-229237.0.K6KWQ@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: dick a george <k6kwq@juno.com>

K6KWQ@JUNO.COM  
EX WA6JOX  
12 VOLT RADIOS ARE FOR SISSEYS  
REAL RADIOS CAN KILL YOU

----- Forwarded message -----  
From: WB20DHJIM@aol.com  
To: k6kwq@juno.com  
Date: Sun, 1 Aug 1999 15:09:59 EDT  
Subject: Help  
Message-ID: <a9473cf0.24d5f587@aol.com>

Dick  
Please put this on the EME reflector and the Boat An.reflector for me.  
thanks  
Jim

-----  
RF Tubes For Sale

Eimac	8877 (New)	(1)	\$400.	Plus shipping "New" (8850
date code)	Eimac	4CX1000A	(4)	\$75. ea. Plus shipping
(pull)				
Eimac	4CX250B	(1)	\$20.	Plus shipping (pull)
Eimac	8295A	(2)	\$100.ea.	Plus shipping (pull)
RCA	6146	(1)	\$ 8.	Plus shipping (pull)

GE	6146B	(1)	\$10.	Plus shipping	"Appears to be new"
Sylvania	6146B	(1)	\$ 8.	Plus shipping	(pull)
Sylvania	6JS6C	(4)	for \$20.	Plus shipping	(pull)
Sylvania	12BY7	(1)	\$ 5.	Plus shipping	(pull)
Matsushita	S200IA	(2)	for \$10.	Plus shipping	(pull)

Contact  
 Jim  
 Wb2odhjim@aol.com

-----  
 Get the Internet just the way you want it.  
 Free software, free e-mail, and free Internet access for a month!  
 Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
 Message-ID: <37A61F37.883B2073@idirect.com>  
 Date: Mon, 02 Aug 1999 18:44:07 -0400  
 From: Jerry Proc <jproc@idirect.com>  
 MIME-Version: 1.0  
 To: Old Tube Radios <boatanchors@theporch.com>  
 Subject: Crypto Machines Web Page  
 Content-Type: text/plain; charset=us-ascii  
 Content-Transfer-Encoding: 7bit

Hi Folks,

As a result of a visit to the National Cryptologic Museum in Fort Meade Maryland in July 1999, I was inspired to create a Web page which incorporates some of the material which I have collected over time and some fresh input which I gathered at the museum. In addition, my original stories about the KL-7 and KWR-37 machines have been enhanced with new photographs.

The crypto machine display can be found at:

<http://webhome.idirect.com/~jproc/crypto>

--

Regards,  
 Jerry Proc VE3FAB jproc@idirect.com  
 Web: [www3.sympatico.ca/hrc/haida](http://www3.sympatico.ca/hrc/haida)  
 HMCS HAIDA Historic Naval Ship, Toronto Ontario

-----

From: Stanley A McIntosh <mcintos@basf-corp.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <852567C1.00800723.00@basf-corp-gw01.basf-corp.com>  
Date: Mon, 2 Aug 1999 19:21:29 -0400  
Subject: Telefunken SW/BC Receiver and BC-348  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I just hauled back the subject line and a near-pristine BC-348, but am in a funk (sorry) as far as deciding what to do with it. The electronics are complete, but there is no console. This may be more of a parts piece than a decent piece of gear. Shoot, the Telefunken tubes may be worth more than the receiver, right? The panel is about 24" wide plexiglass, with a standard line-type dial. There are different scales depending on the band select. The receiver is capable of FM stereo, as well as SW. Any feedback from the group? Are these so common that the tubes are the main value?

Also, anyone have a handy pinout for the voltages to go into the back of what looks like a Jones plug on the '348?

Thanks,  
sam  
mcintos@basf.com

-----  
Message-Id: <199908030330.UAA05086@mta2.snfc21.pbi.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SX-17 Band switch question  
Date: Mon, 2 Aug 1999 20:31:27 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Wally;

> Comments and repair suggestions appreciated!!

Depending on how much bending the contact has suffered it may be possible to restore reliable contacting. It's a bit tricky and requires carefull choice of tools and there isn't much room for slip-ups. You have to imagine how the springy contact will respond to your attempt to change its shape back to its original (as possible) and have permanent contacting pressure against the rotor. It's a bit of a head game to figure out how to do it. You must apply sufficient bend just aft of the mounting rivet going towards the contacting end such that you achieve a permanent bend at that point while not overcoming the elastic response of the arched portion of the contact which is responsible for applying constant contacting pressure.

You can practice this technique on a junker switch.

The next thing to do if rebending fails or is not an option is to replace the contact. Assuming your contact is held in place by a rivet, using a tiny jeweler's file or a sharp X-acto knife, file or cut away one of the rivet heads to remove the contact. Obtain a good contact from another switch (that's why I save all those goofy switches that can't be used for anything) and install the new contact with a tiny nut and bolt, 0-80 size or smaller. Use brass hardware so you can lock the nut and screw together with solder. If you can't get the replacement contact in place because of a 360 degree rotor, file or cut away part of the opening in the wafer where the contact mounts to slide it into place without permanently deforming it.

Take a look at <<http://www.smallparts.com/>> for small hardware.

A small philosophical note: We shouldn't have to cause the death of a restorable rig to repair another just because of a little difficulty.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
From: zeitler@ibm.net  
Message-ID: <002f01bedd6d\$35d6dcc0\$b3dd6520@km3g>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Switching padders in for 160 meter ops  
Date: Mon, 2 Aug 1999 22:01:09 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gents,

Is there a preferred method for switching in padder caps in parallel with the plate tuning cap to get the total C for 160 meters? I have seen designers do the switching at the top of the padder where it connects to the tune cap and I have seen it done on the opposite side of the padder where it goes to ground leaving the other side always connected to the tune C.

I guess there is no way to avoid having to switch the high voltage since this is NOT on the 50ohm side (ergo, low E side) of the tank.

When I am NOT using 160 meters I still get arcing regardless of what side of the padder I am switching (most of the arcing is on the 75 meter band now). Sort of like the auto-transformer thread that was recently on the amps reflector.

I do not want to re-hash all the info that was just posted regarding the theory of the auto-transformer business. So the question remains--does it

matter which side of the padder I switch in?

Any info would be appreciated.

73s

Lane  
Ku7i

-----  
Message-Id: <199908030618.XAA09900@mta3.snfc21.pbi.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Switching padders in for 160 meter ops  
Date: Mon, 2 Aug 1999 23:19:47 -0700  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Lane;

> Is there a preferred method for switching in padder caps in parallel with  
> the plate tuning cap to get the total C for 160 meters? I have seen  
> designers do the switching at the top of the padder where it connects to  
the  
> tune cap and I have seen it done on the opposite side of the padder where  
it  
> goes to ground leaving the other side always connected to the tune C.  
>  
> I guess there is no way to avoid having to switch the high voltage since  
> this is NOT on the 50ohm side (ergo, low E side) of the tank.  
>  
> When I am NOT using 160 meters I still get arcing regardless of what side  
of  
> the padder I am switching (most of the arcing is on the 75 meter band  
now).

No matter which way you hook things up the laws of physics always prevail.  
Arcing is caused by the presence of voltage, namely B+. You can connect  
the "padder" on the pi network side of the blocking capacitor. Switching  
it in and out there will avoid arcing as long as there is no signal on the  
plate of the final. You may have to experiment with the value of the  
blocking capacitor as well as the padder to get things to tune the way you  
want. Increasing the value of the blocking capacitor will cause no harm  
(but don't go overboard) on the higher frequency bands as long as you use a  
good RF current handling type capacitor.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net



-----  
Message-ID: <37A68F0E.7381D170@ix.netcom.com>  
Date: Tue, 03 Aug 1999 01:41:18 -0500  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: bb6301@msn.com, JohnD@battleship.org  
Subject: U.S.S. MISSOURI Needs Your Help  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

### U.S.S. MISSOURI Needs Your Help

We have been in contact with the folks working on the restoration of communications systems (radio, radar, sonar, intercom, public address etc.) of the battleship U.S.S. MISSOURI in Pearl Harbor. You will surely understand the historic significance of this great ship.

They wish to restore the comm systems to their WW-II condition. They have little material from that era at this time and complete records of the equipment installed then are not available. The first step toward the reconstruction is knowledge of the equipment used and its installation.

Here's how you can help:

If you or anyone you know served on or has specific information concerning the installation of radio, radar or other communications systems of a WW-II United States battleship during 1940-1945, including those systems installed in aux. aircraft or aux. launches associated with these ships, please send contact information to:

arc5@arc5.com

We will make contact with interested parties, compile the information and forward it to the folks in charge of the comms restoration so they may use it as they see fit.  
>From this they could create a "wish list" of needed items that the historic radio community may be able to provide.

Please pass this message along as you deem appropriate.  
(Please post to your packet network).

Thanks,  
Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
From: zeitler@ibm.net  
Message-ID: <005801bedd7e\$da863980\$b3dd6520@km3g>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: wide bandwidth SSB vs. normal bandwidth  
Date: Tue, 3 Aug 1999 00:07:28 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gents,  
I have been thinking (a dangerous move for an active duty Navy  
CPO).....I happen to have a 4khz filter that is for a  
Kenwood 8.83 mhz I.F. Was wondering how this would sound if I installed it  
in my TS-820S? The xmit and rcv would be routed through this filter as it is  
a single conversion superhet (also one of the absolute BEST receivers I have  
ever used).

I am interested in getting into the higher audio "circles" just for giggles  
and thought it might be interesting to see how the rig would sound, esp. the  
xmit audio, with this wider filter.

I should know this answer but what, if anything, would need readjusted in  
the rig?

Thoughts, comments, ideas most welcome.

73s

Lane  
Ku7i

-----  
Message-ID: <37A6E149.197D9D77@erols.com>  
Date: Tue, 03 Aug 1999 08:32:10 -0400  
From: Dave Jordan <wa3gin@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Switching padders in for 160 meter ops  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've seen people use door-knob capacitors on the load control...be sure the  
capacitor can carry the current or it will fry and you could get arching on the  
air variable if it goes...happens frequently on 160,80, 40 where the amp uses a  
small air variable doubled up with switched capacitors.

Haven't seen too much use of switched caps on the HV side. Shouldn't be a problem with door knobs either way. You might also try adding more inductance....

HAVE FUN,  
dave  
WA3GIN

-----  
zeitler@ibm.net wrote:

> Gents,  
> Is there a preferred method for switching in padder caps in parallel with  
> the plate tuning cap ...

-----  
Message-ID: <37A7089F.DAF5E217@ix.netcom.com>  
Date: Tue, 03 Aug 1999 10:19:59 -0500  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: OUTSTANDING BC-610 AVAILABLE- Houston  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The best looking BC-610 transmitter I've ever seen  
is currently available near Houston, Texas.

This transmitter looks almost new- like it just came off the line.  
It's a really cherry restoration. A lot of care and work  
went into it. I think there were some other goodies with it, too.

The asking price is \$400, which is very reasonable considering  
that an unrestored unit goes for about \$300 and you won't  
have to find all those parts and do all that work.

Phil Mills <plmills@ibm.net >, as fine a gentleman as I've known,  
has the unit and will help with delivery within a reasonable  
distance from Houston. Please email him directly if interested.

I have no monetary interest in this- just helping Phil  
get this fine transmitter to a new home.

73 Dave AB5S  
-----

Message-ID: <418B8B7ACE69D111879B00805F6F281D02269EDD@exccup-25006.mis.tandem.com>  
From: "Brickey, Peter" <peter.brickey@compaq.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: HRO 50 coils for trade  
Date: Tue, 3 Aug 1999 07:52:20 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hi,

I have the following HRO-50T coils: E, F, G, H, J, AA, AB, & AC. I have a HRO-50-R1 receiver which is Black crackle, since the above coils are Grey they look out of place in my receiver. Is there anybody who would like to trade a Black crackle coil for its Grey counterpart?

73's

Peter

-----  
Date: Tue, 3 Aug 1999 11:10:03 -0500 (CDT)  
From: Gary Pewitt <gpewitt@execpc.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: OUTSTANDING BC-610 AVAILABLE- Houston  
Message-ID: <Pine.SOL.4.10.9908031056590.2955-1000000@earth.execpc.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 3 Aug 1999, David Stinson wrote:

> The best looking BC-610 transmitter I've ever seen  
> is currently available near Houston, Texas.  
>  
snip

Why are these super deals always over a thousand miles away?  
Is there some giant left wing conspiracy? I have been wanting a nice BC-610 for years. Are all of them quietly shipped out of my vicinity to make sure I never get one? I know there is at least one near Milwaukee because I have heard it on the air. Short of moving to Texas I have little chance of ever getting one. There was even one given away in the Seattle area. I feel like that little guy in the Little Abner comic strip who walked around with a cloud over his head raining bad luck all over him. Someday my ship will come in with a BC610 on the deck.  
>

--

gpewitt@execpc.com N9ZSV 414 355 8147  
Gary Pewitt 6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223. Boatanchor buff  
Sturgeon's Law: 90% of Everything is crap.

-----  
Date: Tue, 03 Aug 1999 11:02:45 -0600 (MDT)  
From: Richard Loken <richardlo@devax.admin.athabascau.ca>  
Subject: Re: Specific Products SR-7  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Message-id:  
<Pine.PMDF.3.95.990803104453.541163699A-1000000@devax.admin.athabascau.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

On Fri, 30 Jul 1999, Al Fritsche wrote:

> Hi Gang, probably my last post on this list , but had to tell you of  
> a neat find at an old TD-2 Radio site today, a SR-7 Standards receiver,

So how come TD-2 Radio sites are so popular all of a sudden? A few years  
back (well okay, it was 20) I saw my favourite TD-2 site, it was on a mountain  
in Alberta and you got there via AGT's own private cable car.

---

Richard Loken VE6BSV, Systems Programmer - VMS  
Athabasca University  
Athabasca, Alberta Canada  
\*\* richardlo@admin.athabascau.ca \*\*

-----  
From: "Rhett T. George" <rtg@ee.duke.edu>  
Date: Tue, 3 Aug 1999 14:02:18 -0400  
Message-Id: <199908031802.0AA28989@champ.ee.duke.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Motorola Aviation Prod.

- Greetings -

A while back this neat little transmitter took up residence in the  
basement. I should like some assistance in identifying its usage.

It is a Motorola Aviation Electronics, Inc., VHF transmitter, model 5640.  
It is rated to run on 14 or 28 VDC at .8 or ,4 A.

>From the case which has paint scrapes but only two minor dents, I

think this has been in and out of several aerobatic planes and was flown upside down most of the time. When the front panel is rightside up, the tubes are upside down with no retainers to keep them in the sockets.

The oscillator section has enough crystals to shake several sticks at. B+ and modulation (a.m. ?) must come from somewhere else via the 9-pin with octal-type keyed center pin. The clever concentric knobs on the front panel select the channel across what must be most of the aircraft band.

Any information on its deployment will be most apporeciated. Thanks.

73

Rhett - KE4HIH

-----  
Message-Id: <3.0.1.32.19990803151906.007b43c0@pop.mindspring.com>  
Date: Tue, 03 Aug 1999 15:19:06 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Bob Login <jlogin@mindspring.com>  
Subject: Drake TR3 on CW  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi --Having fun with a TR3 that I managed to get going. Really FB on ssb but a bummer on cw. No sidetone and u hv to throw a switch to transmit on cw. The vox doesn't wk on cw. CW is generated by switching in a 1000cps offset(9001) into a sideband. Grid-block keying of the mixer completes the picture. To receive, u hv to switch bk to the ssb position. This is not convienent but the radio is very sensitive and fun to use. Besides its still relatively inexpensive and for that reason even more fun to play with.

My question is could I use a 1000cps audio signal from one of my audio osc to key the rig through the mike input in the ssb position thus taking advantage of the vox circuit? If so what wud be the best way to key the audio osc? I also like the idea of changing the audio note, will it be received as sent? Say I adjust the audio osc to 700cps would the receiving station say I was 597? The advantage is that u could stand-out in a pile-up then go bk to 599? 73's Bob, AA8A

-----  
Message-ID: <37A78590.CA1CC3F4@fortwayne.infi.net>  
Date: Tue, 03 Aug 1999 19:13:04 -0500  
From: "Jack C. Shutt" <w9gt@fortwayne.infi.net>

MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: [Fwd: [Fwd: WTB 75A1 parts]]  
Content-Type: multipart/mixed; boundary="-----21FBF6C9EA4F67BC4621962E"

This is a multi-part message in MIME format.  
-----21FBF6C9EA4F67BC4621962E  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

-----21FBF6C9EA4F67BC4621962E  
Content-Type: message/rfc822  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Return-Path: <w9gt@fortwayne.infi.net>  
Received: from fortwayne.infi.net (pm1-59.fwa.infi.net [206.31.173.59])  
by fh102.infi.net (8.8.8/8.8.8) with ESMTP id UAA08723;  
Tue, 3 Aug 1999 20:16:36 -0400 (EDT)  
Message-ID: <37A784FE.2098B685@fortwayne.infi.net>  
Date: Tue, 03 Aug 1999 19:10:38 -0500  
From: "Jack C. Shutt" <w9gt@fortwayne.infi.net>  
Reply-To: w9gt@fortwayne.infi.net  
X-Mailer: Mozilla 4.04 [en] (Win95; U)  
MIME-Version: 1.0  
To: collins@listserv.tempe.gov  
Subject: [Fwd: WTB 75A1 parts]  
Content-Type: multipart/mixed; boundary="-----BDBF5656CC101AD5200E6215"

This is a multi-part message in MIME format.  
-----BDBF5656CC101AD5200E6215  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

-----BDBF5656CC101AD5200E6215  
Content-Type: message/rfc822  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Return-Path: <w9gt@fortwayne.infi.net>  
Received: from fortwayne.infi.net (pm2-69.fwa.infi.net [206.31.173.69])  
by fh102.infi.net (8.8.8/8.8.8) with ESMTP id VAA00886;  
Sun, 1 Aug 1999 21:19:40 -0400 (EDT)  
Message-ID: <37A4F0C9.ECCE6E1A@fortwayne.infi.net>

Date: Sun, 01 Aug 1999 20:13:46 -0500  
From: "Jack C. Shutt" <w9gt@fortwayne.infi.net>  
Reply-To: w9gt@fortwayne.infi.net  
X-Mailer: Mozilla 4.04 [en] (Win95; U)  
MIME-Version: 1.0  
To: collins@listserv.tempe.gov  
Subject: WTB 75A1 parts  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I need some help with a restoration project. I'm trying to revive a 75A1 receiver which someone did some modifications on and left in somewhat sad shape.

Would anyone happen to have a parts radio or the following items?

1. BFO transformer/can Collins Part # 278002700.
2. aluminum top plate for the front end and PTO compartment
3. cabinet (OK if it needs repaired or repainted.)

I would really appreciate hearing from anyone who might be able to provide these items.

Thanks and 73, Jack Shutt, W9GT

-----BDBF5656CC101AD5200E6215--

-----21FBF6C9EA4F67BC4621962E--

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Message-ID: <37A79620.E8FCA64A@fortwayne.infi.net>  
Date: Tue, 03 Aug 1999 20:23:45 -0500  
From: "Jack C. Shutt" <w9gt@fortwayne.infi.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Lincoln transceiver info  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Anchorites,

Would anyone happen to have a manual/schematic for a Lincoln L2754 6Meter AM transceiver(sold by Allied Radio in 60's)? I would be happy to pay for copy and postage.

Thanks and 73,



Jack, W9GT

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From: "David Newkirk" <dpnewkirk@home.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Drake TR3 on CW  
Date: Tue, 3 Aug 1999 21:47:44 -0400  
Message-ID: <000501bede1b\$587ca6c0\$1e360818@cc456763-a.vron1.nj.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bob, AA8A, wrote:

> My question is could I use a 1000cps audio signal from one of my audio  
> osc to key the rig through the mike input in the ssb position thus taking  
> advantage of the  
> vox circuit?

Perhaps, but like more modern "keyed VOX" radios, it will somewhat truncate the first character that trips the VOX each time. If, as we sometimes hear with rigs sending data signals, the result in hot-switched RF, you'll chew up your TR relay \*and\* generate less-than-neighborly clicks on that first character.

> If so what wud be the best way to key the audio osc?

I'll beg off on this one. "That depends"; crisply keying a good sinusoidal audio oscillator is tough to do without clicks.

> I also like  
> the idea of changing the audio note, will it be received as sent? Say I  
> adjust the  
> audio osc to 700cps would the receiving station say I was 597?

No. Because an SSB transmitter just shifts to RF the audio fed into it, adjusting the frequency of the audio oscillator will not change the \*timbre\* of your signal; it will merely change the apparent dial calibration of the Drake. (Where you'll be transmitting relative to where you're listening, which is especially important if you don't have RIT, is also an issue.)

But there is another effect to consider. Because an SSB transmitter doesn't have infinite unwanted-sideband rejection, generating on-off-keyed Morse by feeding it a keyed-audio-oscillator signal results in the transmission of \*two\* keyed signals: the desired one and its unwanted-sideband twin, which is much weaker but often still audible. (If I remember correctly, the

Collins KWM-2 generated CW in this way; its twin-signal CW output was quite distinctive.) If you try this, it's usually better to use a higher-pitched signal than a lower-pitched one, because the radio's unwanted-sideband rejection may drop as the frequency of the audio input signal moves toward and below the lower end of the voice-frequency range.

73,

Dave Newkirk, W9VES  
dpnewkirk@home.com

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End of BOATANCHORS Digest 2626  
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